

Natural Resources Commission

Water Sustainability Fund

Biennial Report to Legislature

2016-2017



“A biennial report shall be made to the Clerk of the Legislature describing the work accomplished by the use of funds towards the goals of the Water Sustainability Fund beginning on December 31, 2015. The report submitted to the Clerk of the Legislature shall be submitted electronically.”

The Water Sustainability Fund (WSF) is a source of financial support to help the State achieve the goals set out in § 2-1506. The Nebraska Natural Resources Commission (NRC) oversees Fund operations including selecting successful applications, and the Nebraska Department of Natural Resources (NeDNR) oversees administration. Of the funding appropriated by the Nebraska Legislature each year, 10% is designated to projects addressing combined storm and sewer water overflow, and 10% to projects requesting \$250,000 or less.

WSF applications are filed electronically between July 16th and 31st each year. Once filed, the applications are reviewed by DNR staff and those found to be "sufficient" are forwarded to the NRC for scoring. Only applications with the highest scores are funded. Funds remaining are rolled forward and added to the next legislative appropriation in an attempt to be conservative and wise stewards of taxpayer monies and to encourage the best project applications be submitted in the next round of funding.

The WSF has completed three funding cycles, one each in 2015, 2016, and 2017.

In 2015, 17 projects were approved for a total of \$11,490,502. A table showing the projects funded is below. The WSF had \$28,738,586 to allocate for funding; however, the NRC chose to fund only those projects that reached an acceptable score, leaving funds for use in the next cycle.

2015 WSF Applications Funded					
#	Applicant	Project Name	CSO	< or = \$250,000	> \$250,000
16	City of Omaha NE	Omaha CSO Program	\$2,900,452		
17	Hastings Utilities	Aquifer Storage and Restoration/Nitrate and Uranium Control			\$4,410,000
18	CPNRD	Estimating Recharge toward Sustainable Groundwater and Agriculture		\$151,680	
24	CPNRD	Groundwater Management program review for Water Sustainability		\$249,900	
19	NPNRD	NPNRD Groundwater Retirement Program			\$900,000
21	SPNRD	Western Water Use Management Model Update		\$235,500	
22	LENRD	Lower Elkhorn Water and Soil Conservation Program			\$900,000
25	ENWRA	Secondary Bedrock Aquifer Reconnaissance Sampling/Age Dating		\$96,300	
26	P-MNRD	Platte and Elkhorn River Valley Integrated Water Monitoring		\$64,200	
32	LPSNRD	Lower Platte South NRD Aquifer Framework Mapping		\$250,000	
33	UENRD	Aerial Electromagnetic Survey of the Bazile Groundwater Management Area		\$81,270	
35	LPNNRD	Groundwater Management for Mid-Summer Declines		\$200,000	
40	P-MNRD	P-MRNRD Sarpy County Aquifer Mapping		\$240,000	
41	LENRD	Lower Elkhorn NRD - Aquifer Framework Mapping		\$250,000	
42	LPNNRD	Lower Platte North NRD - Aquifer Framework Mapping		\$250,000	
44	LLNRD	Lower Loup NRD - Aquifer Mapping		\$250,000	
43	L&CNRD	Lewis and Clark Aero Electromagnetics Aquifer Mapping		\$61,200	
Totals			\$2,900,452	\$2,380,050	\$6,210,000

At the beginning of the 2016 funding cycle, the WSF had \$24,681,077 available. The NRC approved for funding 11 projects for a total of \$19,529,668.30, leaving \$5,151,410 in the fund.

A chart of the projects funding is below.

2016 WSF Applications Funded					
#	Applicant	Project	CSO	< or = \$250,000	> \$250,000
48	City of Omaha	Omaha CSO Program	\$800,796		
51	LPSNRD	Lower Platte River Drought Contingency Plan		\$195,000	
62	Village of Howells	Repurpoing of Pokorny Dam Village of Howells		\$164,400	
59	MRNRD	Middle Republican NRD High Tech Irrigation Implementation		\$250,000	
46	LBNRD	Instream Weir Stabilization/Recharge Pilot Project		\$100,979	
47	LBNRD	Low-head Embankment Stabilization/Recharge Pilot Project		\$100,153	
64	LPSNRD	GeoClous and Airborne Electromagnetic (AEM) Data Integra-tion		\$247,437.60	
52	Lincoln Water	Lincoln Water System Drought Resiliency and Flood Protec-tion			\$7,636,698
60	Mitchell	Mitchell Wastewater Improvmements - 2016			\$2,407,200
70	FCID	FCID Storage Enhancement and Retiming Project			\$915,554.70
77	PapioNRD	West Branch Papillion Creek Structures WP 6 and WP 7			\$6,711,449
Totals			\$800,796	\$1,057,970.60	\$17,670,901.70

At the beginning of the 2017 funding cycle, the WSF had \$15,890,487 available. The NRC approved for funding 13 projects for a total of \$10,682,546, leaving \$5,207,941 in the fund.

A chart of the projects funding is below.

2017 WSF Applications Funded					
#	Applicant	Project	CSO	< or = to \$250,000	>\$250,000
5178	City of Omaha	Omaha CSO Project	\$1,073,908		
5181	LRNRD	LRNRD Platte Republican Diversion			\$897,300
5189	ENWRA	ENWRA Easter Nebraska Aquifer Framework Mapping			\$1,968,000
5197	LBNRD	LBNRD Oxbow Reconnections for Groundwater Recharge			\$389,820
5201	LPNNRD	LPNNRD Wahoo Creek Detention Sites 26 and 27			\$2,269,194
5194	LLNRD	LLNRD Colubus Area Recharge Project			\$1,224,000
5187	Bostwick	Nebraska Bostwick Storage Enhancement and Retiming Project			\$2,000,000
5192	UNL	UNL Quantifying the Impact of Eastern Redcedar Encroachment on Recharge in the Nebraska Sandhills		\$144,716	
5193	PMRNRD	PMRNRD GeoScience 3D Aquifer Characterization of Western Sarpy County		\$120,000	
5198	NPNRD	NPPD River Flow Augmentation Delivery Structures		\$205,068	
5184	URNRD	URNRD Groundwater Modeling Project		\$243,000	
5188	CPNRD	CPNRD Modeling Nitrate Transport in the Vadose Zone		\$87,540	
5196	CPNRD	CPNRD Drought Management Plan and Local Drought Monitor		\$60,000	
Totals			\$1,073,908	\$860,324	\$8,748,314